

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 030911PCT	FOR FURTHER ACTION		See item 4 below
International application No. PCT/JP2005/001951	International filing date (<i>day/month/year</i>) 09 February 2005 (09.02.2005)	Priority date (<i>day/month/year</i>) 10 February 2004 (10.02.2004)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant DAI NIPPON PRINTING CO., LTD.			

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																									
<p>3. This report contains indications relating to the following items:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input checked="" type="checkbox"/></td> <td style="width: 15%;">Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> <p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).</p>		<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Date of issuance of this report 19 September 2006 (19.09.2006)</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Facsimile No. +41 22 338 82 70</div>	
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Authorized officer</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Masashi Honda</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">e-mail: pt08@wipo.int</div>	

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

TRANSLATION

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

		Date of mailing (day/month/year)
Applicant's or agent's file reference 030911PCT		FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/JP2005/001951	International filing date (day/month/year) 09.02.2005	Priority date (day/month/year) 10.02.2004
International Patent Classification (IPC) or both national classification and IPC.		
Applicant DAI NIPPON PRINTING CO., LTD.		

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/001951

Box No. I	Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. <input type="checkbox"/> This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).	
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material <input type="checkbox"/> a sequence listing <input type="checkbox"/> table(s) related to the sequence listing b. format of material <input type="checkbox"/> in written format <input type="checkbox"/> in computer readable form c. time of filing/furnishing <input type="checkbox"/> contained in the international application as filed. <input type="checkbox"/> filed together with the international application in computer readable form. <input type="checkbox"/> furnished subsequently to this Authority for the purposes of search.	
3. <input type="checkbox"/> In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4. Additional comments:	

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No. PCT/JP2005/001951

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement		
Novelty (N)	Claims <u>2-8, 13</u>	YES
	Claims <u>1, 9-12</u>	NO
Inventive step (IS)	Claims <u>7</u>	YES
	Claims <u>1-6, 8-13</u>	NO
Industrial applicability (IA)	Claims <u>1-13</u>	YES
	Claims _____	NO
2. Citations and explanations:		
<p>Document 1: JP 2003-172935 A (Seiko Epson Corp.), 20 June 2003, Full text, all drawings, (Family: none)</p> <p>Document 2: JP 5-80341 A (N.V. Philips' Gloeilampenfabrieken), 02 April 1993, Full text, all drawings, & US 5262882 A1 & EP 506175 A2 & DE 69215565 T</p> <p>Document 3: JP 2001-48904 A (NEC Corp.), 20 February 2001, Full text, all drawings, & US 2002-167977 A1</p>		
<p>The inventions of claims 1 and 9-12 are described in document 1 cited in the ISR and therefore do not appear to possess novelty or inventive step.</p> <p>The inventions of claims 2-5 and 13 do not appear to possess inventive step over document 1. Configuring the liquid crystal display elements described in document 1 in the manner described in claims 2-5 and 13 would be easy for a person skilled in the art.</p> <p>The inventions of claims 6 and 8 do not appear to possess inventive step over document 1 and documents 2 and 3 cited in the ISR. Substituting the reactive liquid crystal described in document 1 with the diacrylate monomer described in documents 2 and 3 would be easy for a person skilled in the art.</p> <p>The invention of claim 7 is not described in any of the documents cited in the ISR and would not be obvious to a person skilled in the art.</p>		